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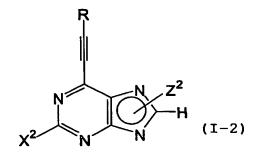
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(54) Title: ALKYNYLPURINE COMPOUNDS AND PRODUCTION METHODS THEREOF

$$\begin{array}{c|c}
X^1 \\
N & Z^1 \\
N & Y^1
\end{array}$$
(I-1)



(57) Abstract: The present invention relates to alkynylpurine compounds represented by the following formula (I-1) and the formula (I-2): wherein each symbol is as defined in the present specification, salts thereof, and production methods thereof. According to the present invention, a method of producing an alkynylpurine compound and a salt thereof useful as an intermediate for medicament production safely, conveniently and economically from the corresponding purine compound and a salt thereof, as well as an alkynylpurine compound and a salt thereof useful as an intermediate for production of medicaments can be provided.

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